

OCIANA™

RISK MANAGER

Predictability in a Sea of Uncertainty

The maritime environment is constantly evolving. Addressing challenges in this dynamic environment requires a comprehensive solution for risk assessment and mitigation.

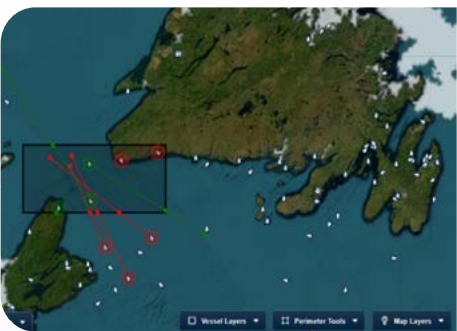
GSTS' solution provides maritime domain awareness to enhance security, commercial and environmental risk detection. OCIANA™ Risk Manager aggregates unclassified data sources and applies machine learning pattern-of-life analysis to deliver actionable intelligence in real time. Using powerful predictive insights, OCIANA™ facilitates inter-agency collaboration and provides safety and security anywhere in the world.

ENHANCED RISK DETECTION AND MITIGATION WITH OCIANA™



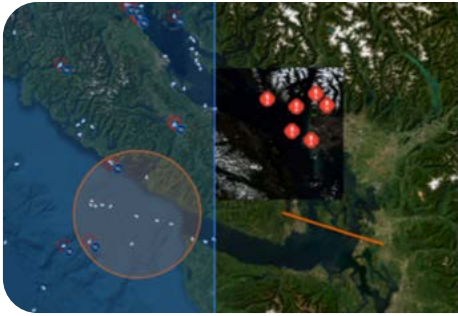
Situational Awareness Display and Common Operating Picture

- Multiple sensor data sources aggregated to provide a single picture
- EEZ monitoring
- Awareness in remote regions where sensor coverage is minimal
- Data agnostic – can integrate own data sets



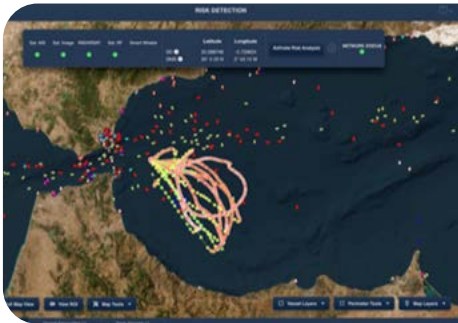
Vessel Path Prediction

- Anticipates vessel location 10 days in advance which facilitates different applications such as planned interdictions of vessels conducting illegal activities, as well as planned training exercises
- Facilitates resource estimation and traffic management at ports
- Enables continuous vessel monitoring and commercial and security risk analysis



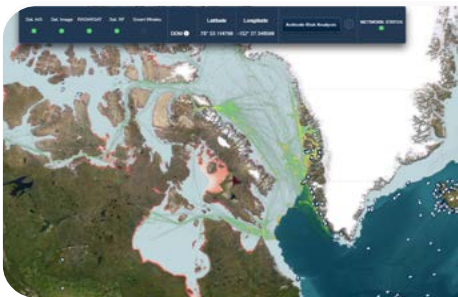
Risk Detection

- Performs continuous data fusion and pattern-of-life analysis
- Detects and helps to mitigate against a multitude of risks including, Dark Vessels, Sanctions Infractions, Trafficking, and Illegal Fishing
- Provides customised alerts and notifications to support regional monitoring and real time threat detection



Pattern of Life Analysis

- Global threat and risk assessment based on dynamic real time vessel behavior
- Determines security risks based on intelligence from multiple sensor systems
- Facilitates predictive and real time analysis, providing insights prior to potential issues



Arctic Surveillance

- Persistent monitoring of large geographical regions to maintain visibility and respond in a timely manner to assert national sovereignty

Intelligent Geofencing

- Geofences enhanced with machine learning to deliver a high accuracy timeline and enhanced predictability
- Provides real-time alerts and notifications
- Enables monitoring of selected zones, vessels, protected zones, and high-value undersea assets

Inter-agency Communication and Collaboration

- Provides a common operating picture for all relevant organisations to have the same information, thus enabling collaborative planning and sharing of events to coordinate responses such as:
 - Allocation of sea & airborne patrol resources
 - Cueing of other information gathering platforms

STAY AHEAD OF POTENTIAL THREATS WITH CUSTOMIZED ALERTS AND MORE WITH OCIANA™

Learn more about our advanced vessel identification capability: Unique and unavailable with any other Maritime Domain Awareness provider.

Contact GSTS for more information: sales@gsts.ca